C3460-1

FIBER ORGANON

Volume 62, No. 3 ☐ March 1991

A publication of *Fiber Economics Bureau, Inc.*

Highlights

- Manufactured Fiber Producing Industry Employment in Selected Countries... see page 47.
- 1990: A Year in Perspective...begins on page 48.
- Quarterly Manufactured Fiber Data...see pages 62 - 63.

SHIPMENTS:

In February, total manufactured fiber shipments reached 628 million pounds, 8% below the 681 million pounds shipped in January and 11% below the 706 million pounds shipped in February 1990.

February shipments of synthetic (noncellulosic) filament yarn fell 7% to 311 million pounds and staple+tow fell 9% to 284 million pounds.

Contributing to the decrease in shipments over the previous month were nylon carpet yarn down 22% or 15 million pounds, nylon staple+tow down 18% or 12 million pounds and nylon textile yarn down 4 million pounds or 12%.

Year-to-date domestic shipments of manufactured fiber are down 9% and exports are up 24%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1991 FEB	1991 JAN	% CHG 2/91 - 1/91	1990 FEB	% CHG 2/91 - 2/90	YEAR TO DATE 1991	YEAR TO DATE 1990	% CHG YTD 1991 - 1990
ARTIFICIAL (CELLULOSIC)								
YARN	16.4	14.8	*+10.8*	15.4	*+6.5*	31.2	30.5	*+2.3*
RAYON STAPLE	16.2	20.4	*-20.6*	25.3	*-36.0*	36.6	55.4	*-33.9*
TOTAL ARTIFICIAL (CELL.)	**32.6**	**35.2**	*-7.4*	**40.7**	*-19.9*	**67.8**	**85.9**	*-21.1*
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	28.1	29.2	*-3.8*	30.3	*-7.3*	57.3	55.2	*+3.8*
- CARPET	54.5	69.4	*-21.5*	81.1	*-32.8*	123.9	167.6	*-26.1*
- TEXTILE [a]	30.2	34.4	*-12.2*	28.2	*+7.1*	64.6	57.1	*+13.1*
POLYESTER - INDUSTRIAL	26.9	24.9	*+8.0*	28.6	*-5.9*	51.8	55.8	*-7.2*
- TEXTILE [a]	61.5	67.9	*-9.4*	56.2	*+9.4*	129.4	112.8	*+14.7*
OLEFIN	110.1	109.2	*+0.8*	116.5	*-5.5*	219.3	223.7	*-2.0*
TOTAL YARN	**311.3**	**335.0**	*-7.1*	**340.9**	*-8.7*	**646.3**	**672.2**	*-3.9*
STAPLE+TOW+FIBERFILL								
NYLON	54.7	66.8	*-18.1*	74.9	*-27.0*	121.5	163.7	*-25.8*
ACRYLIC+MODACRYLIC	34.8	36.5	*-4.7*	39.7	*-12.3*	71.3	80.1	*-11.0*
POLYESTER	159.6	168.7	*-5.4*	175.7	*-9.2*	328.3	344.6	*-4.7*
OLEFIN	34.5	38.3	*-9.9*	34.4	*+0.3*	72.8	64.7	*+12.5*
TOTAL STAPLE	**283.6**	**310.3**	*-8.6*	**324.7**	*-12.7*	**593.9**	**653.1**	*-9.1*
TOTAL SYNTHETIC (NONCELL.)	**594.9**	**645.3**	*-7.8*	**665.6**	*-10.6*	**1240.2**	**1325.3**	*-6.4*
TOTAL MANUFACTURED FIBER	**627.5**	**680.5**	*-7.8*	**706.3**	*-11.2*	**1308.0**	**1411.2**	*-7.3*
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS [b]	600.8	636.3	*-5.6*	668.7	*-10.2*	1219.1	1339.3	*-9.0*
EXPORTS [c]	26.7	44.2	*-39.6*	37.6	*-29.0*	88.9	71.9	*+23.6*

a. Includes low denier industrial yarn.
b. Includes olefin exports.
c. Excludes olefin exports.

March 1991

Fiber Organon

A Monthly Review

CONTENTS

Features

Manufactured Fiber Producing Industry Employment in Selected Countries 47
Graph 1: Manufactured Fiber Producing Industry Employment in Selected Countries 47

1990: A Year in Perspective 48 - 57
Mill Consumption by Fiber 48
U.S Mill Consumption of Manufactured Fiber, Cotton & Wool 48
Graph 2: U.S. Mill Consumption of Manufactured Fiber, Cotton & Wool 49
Graph 3: Domestic Consumption Detail: Manufactured Fiber, Cotton & Wool 49
Manufactured Fiber Production Annually 1961 - 1990 50
Synthetic (Noncellulosic) Fiber Production Detail 51
Artificial (Cellulosic) Fiber Distribution 52
Synthetic (Noncellulosic) Fiber Distribution 53
U.S. Mill Consumption of Fiber & Domestic Consumption of Products 54 - 55
Producers' Waste Shipments 56
Raw Cotton Consumption 57
Raw Silk Deliveries 57

Industry Regulars

Total U.S. Manufactured Fiber Shipments 45

Monthly U.S. Manufactured Fiber Data 58 - 60
Imports by Fiber 58
Exports by Fiber 59
Imports by Country of Origin 60

Quarterly Manufactured Fiber Data 62 - 63
Filament Yarn Domestic Shipments 62
Staple+Tow Domestic Shipments 63

Selected U.S. Monthly Fiber Data 61, 64
1990 Revised Data 61
1991 Data 64

FIBER ECONOMICS BUREAU, INC.
Rosemarie D. Frick
President & Editor

Publishing Headquarters:
Fiber Economics Bureau, Inc.
101 Eisenhower Parkway
Roseland, NJ 07068
U.S.A.
Telephone: (201) 228-1107
Facsimile: (201) 228-7598

ISSN 0040-5132

Copyright © 1991
Fiber Economics Bureau, Inc.

FIBER ORGANON is published monthly. All rights reserved. This booklet may be reproduced in part if credit is given.

Subscription Rates -
(payable in U.S. dollars with order):

ITEM	U.S.A.	OTHER
Annually (1 year only)	300.00	400.00
Schools & Nonprofit	150.00	400.00
Single Issues:		
May	100.00	150.00
June	200.00	250.00
September	150.00	200.00
December	100.00	150.00
All Others	50.00	75.00

Issues are sent by 1st class mail to U.S. subscribers and by airmail to foreign subscribers.

GRAPH 1:
MANUFACTURED FIBER PRODUCING INDUSTRY EMPLOYMENT IN SELECTED COUNTRIES

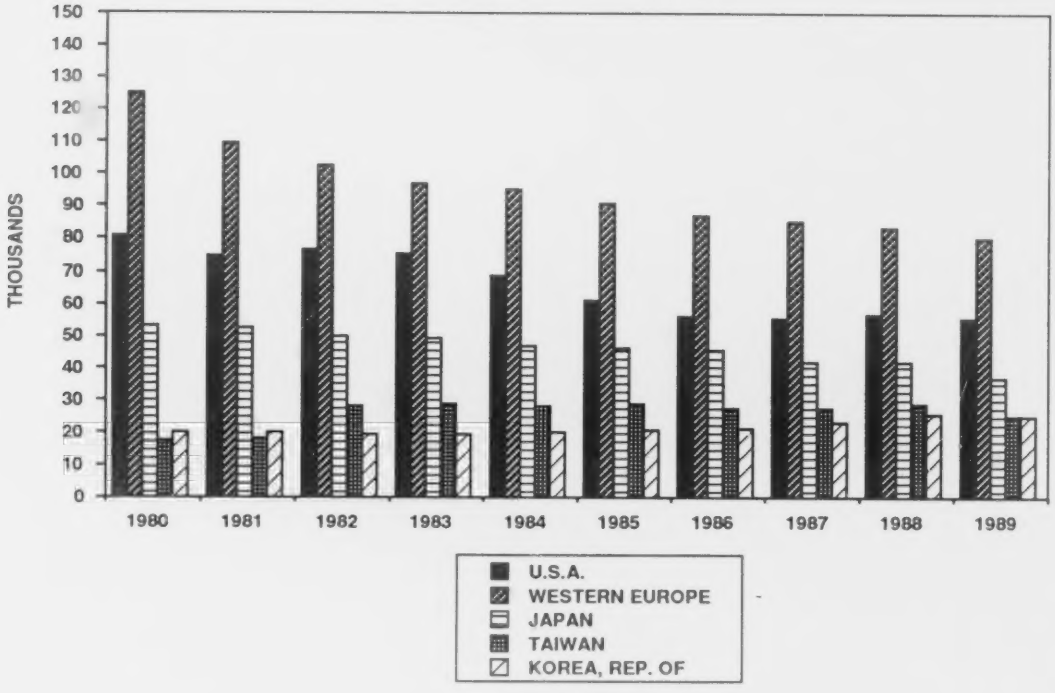


TABLE 2:
MANUFACTURED FIBER PRODUCING INDUSTRY EMPLOYMENT IN SELECTED COUNTRIES

YEAR	COUNTRY				
	U.S.A.	WESTERN EUROPE	JAPAN	TAIWAN	KOREA, REP. OF
1980	81,000	124,965	53,105	17,500	19,885
1981	74,800	109,837	52,130	18,005	19,745
1982	76,511	102,865	49,695	28,065	19,220
1983	75,418	97,425	49,200	28,575	19,230
1984	68,184	95,290	46,885	27,785	19,830
1985	61,158	90,700	46,195	28,375	20,325
1986	55,876	87,360	45,235	27,110	21,055
1987	55,690	85,385	41,570	27,600	23,335
1988	56,697	83,308	41,559	28,365	25,345
1989	55,562	80,477	36,831	24,839	25,205

SOURCE: C.I.R.F.S., Taiwan Man-Made Fiber Industry and ***Fiber Organon*** estimate.
NOTE: Data include production, administration and technical department personnel.

1990: A YEAR IN PERSPECTIVE

In 1990, U.S. mill consumption of manufactured fiber decreased by 2%. This decrease in annual consumption compares to cotton mill consumption which rose by 1% and a decline of 3% in the wool mill consumption. (Graph 2)

The reason for the decline in manufactured fiber mill consumption was a decline in polyester consumption of 11% in 1990.

In comparing the total 1990 mill consumption for manufactured fiber, cotton and wool, cotton registered an increase in market share over manufactured fiber. In 1990, the manufactured fiber share of total mill consumption fell to 68%, while cotton rose to 31% and wool stood the same at 1%. (Table 4)

In 1990, exports of manufactured fiber, cotton and wool manufactures rose to 1,383 million pounds, 22% above the 1989 level of 1,133 million pounds. (Table 9)

In 1990, domestic consumption of manufactured fiber totaled 9,837 million pounds, a decrease of 3% from 1989, cotton totaled 6,005 million pounds, a decrease of 1% and wool totaled 300 million pounds, down 7%. (Table 9)

Imports of manufactures rose by 1% in 1990 to 4,516 million pounds. Imports represented over 28% of domestic consumption in 1990. This compares to 27% in 1989, 26% in 1988 and 27% in 1987. (Table 9)

TABLE 3:
MILL CONSUMPTION BY FIBER
BILLION POUNDS

YEAR	RAYON	ACETATE [a]	NYLON [b]	POLYESTER	ACRYLIC [c]	OLEFIN	COTTON	WOOL	TOTAL
1980	0.5	0.3	2.3	3.5	0.6	0.7	3.1	0.1	11.1
1981	0.5	0.2	2.2	3.5	0.5	0.8	2.7	0.2	10.6
1982	0.3	0.2	1.9	3.0	0.5	0.8	2.5	0.1	9.3
1983	0.4	0.2	2.4	3.4	0.5	1.0	2.8	0.2	10.9
1984	0.4	0.2	2.4	3.2	0.5	1.0	2.7	0.2	10.6
1985	0.5 [d]		2.6	3.1	0.5	1.4	2.8	0.1	11.0
1986	0.6 [d]		2.5	3.2	0.6	1.5	3.3	0.2	11.9
1987	0.6 [d]		2.7	3.5	0.5	1.6	3.7	0.2	12.8
1988	0.6 [d]		2.7	3.6	0.5	1.5	3.5	0.2	12.6
1989	0.6 [d]		2.6	3.6	0.5	1.7	4.0	0.1	13.1
1990	0.6 [d]		2.6	3.2	0.4	2.1	4.0	0.1	13.0

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the March 1985 issue.

a. Includes triacetate. Cigarette tow is excluded.
b. Includes Aramid for all years except 1983-1990.
c. Includes modacrylic.
d. Rayon and acetate combined.

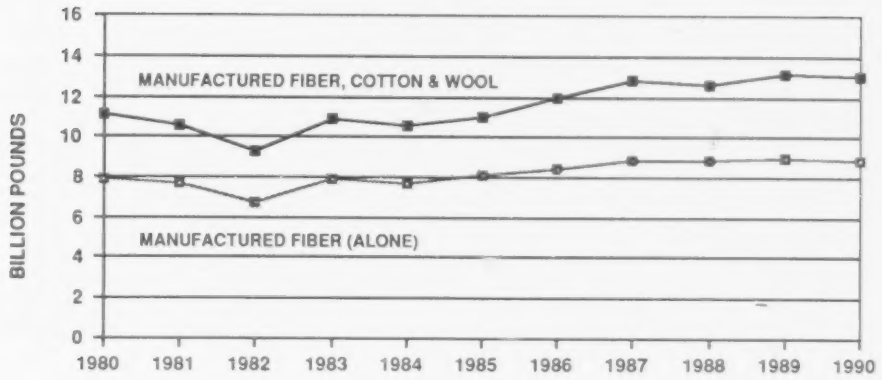
TABLE 4:
U.S. MILL CONSUMPTION OF MANUFACTURED FIBER, COTTON & WOOL
MILLION POUNDS & *PERCENT*

YEAR	MANUFACTURED FIBER	% [a]	% [b]	COTTON	% [a]	% [b]	WOOL	% [a]	% [b]	TOTAL	% [a]	% [b]
1980	7885.7	--	*71.2*	3064.4	--	*27.6*	137.8	--	*1.2*	11087.9	--	*100.0*
1981	7721.5	*-2.1*	*72.9*	2730.8	*-10.9*	*25.7*	152.7	*+10.8*	*1.4*	10605.0	*-4.4*	*100.0*
1982	6653.5	*-13.8*	*71.8*	2478.9	*-9.2*	*26.8*	129.5	*-15.2*	*1.4*	9261.9	*-12.7*	*100.0*
1983	7994.5	*+20.2*	*73.0*	2795.7	*+12.8*	*25.5*	162.5	*+25.5*	*1.5*	10952.7	*+18.3*	*100.0*
1984	7789.5	*-2.6*	*73.4*	2668.2	*-4.6*	*25.1*	163.2	*+0.4*	*1.5*	10620.9	*-3.0*	*100.0*
1985	8035.5	*+3.2*	*73.3*	2796.0	*+4.8*	*25.5*	134.7	*-17.5*	*1.2*	10966.2	*+3.3*	*100.0*
1986	8453.9	*+5.2*	*70.9*	3301.7	*+18.1*	*27.7*	164.5	*+22.1*	*1.4*	11920.1	*+8.7*	*100.0*
1987	8861.7	*+4.8*	*69.4*	3736.5	*+13.2*	*29.3*	167.6	*+1.9*	*1.3*	12765.8	*+7.1*	*100.0*
1988	9017.4	*+1.8*	*71.4*	3470.1	*-7.1*	*27.4*	156.1	*-6.9*	*1.2*	12643.6	*-1.0*	*100.0*
1989	9009.6	*-0.1*	*68.6*	3985.9	*+14.9*	*30.3*	139.6	*-10.6*	*1.1*	13135.1	*+3.9*	*100.0*
1990	8837.0	*-1.9*	*67.9*	4036.5	*+1.3*	*31.1*	135.4	*-3.0*	*1.0*	13008.9	*-1.0*	*100.0*

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the March 1985 issue.

a. Percent change from year to year.
b. Percent of total fiber consumption.

GRAPH 2:
U.S. MILL CONSUMPTION OF MANUFACTURED FIBER,
COTTON & WOOL



GRAPH 3:
DOMESTIC CONSUMPTION DETAIL:
MANUFACTURED FIBER, COTTON & WOOL

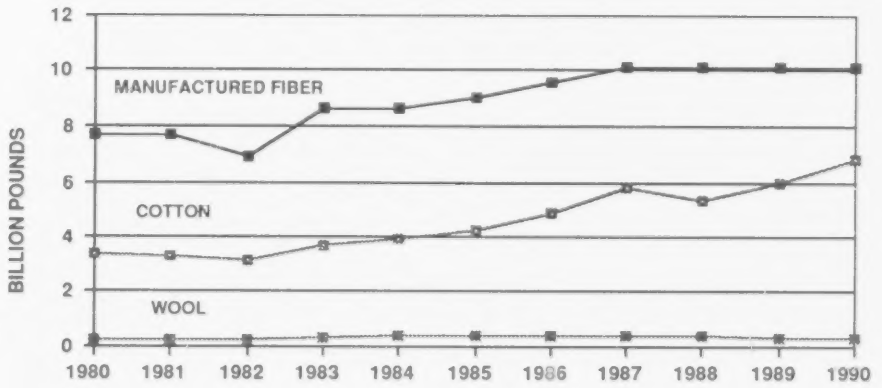


TABLE 5:
MANUFACTURED FIBER PRODUCTION
ANNUALLY 1961 - 1990
MILLION POUNDS

	ARTIFICIAL (CELLULOSIC)									SYNTHETIC (NONCELL.) FIBER c - g				
	RAYON YARN [a]			ACET YARN [b]	TOTAL YARN	STAPLE+TOW			TOTAL R+A				TOTAL	NON-ADD TOTAL GLASS FIBER [h]
YEAR	INDUS	TEXT	TOTAL			RAYON	ACET [b]	TOTAL		YARN	STAPLE	TOTAL		
1961	251.0	141.7	392.7	249.0	641.7	400.5	53.0	453.5	1095.2	497.2	253.7	750.9	1846.1	149.3
1962	272.0	148.4	420.4	305.7	726.1	500.0	46.0	546.0	1272.1	627.4	345.5	972.9	2245.0	190.3
1963	246.0	154.2	400.2	309.5	709.7	579.1	60.0	639.1	1348.8	712.8	443.2	1156.0	2504.8	191.9
1964	258.2	153.4	411.6	365.9	777.5	594.3	60.0	654.3	1431.8	847.6	559.1	1406.7	2838.5	239.5
1965	264.6	169.2	433.8	391.2	825.0	648.0	54.0	702.0	1527.0	997.7	782.4	1780.1	3307.1	282.3
1966	235.8	169.7	405.5	394.3	799.8	659.2	60.0	719.2	1519.0	1164.7	918.1	2082.8	3601.8	332.4
1967	161.2	147.9	309.1	425.6	734.7	603.4	50.0	653.4	1388.1	1215.4	1137.9	2353.3	3741.4	308.8
1968	202.4	162.9	365.3	439.9	805.2	739.1	50.0	789.1	1594.3	1662.1	1567.3	3229.4	4823.7	402.7
1969	168.6	150.6	319.2	455.2	774.4	758.8	43.0	801.8	1576.2	1766.9	1761.0	3527.9	5104.1	501.4
1970	146.4	121.2	267.6	463.2	730.8	607.4	35.0	642.4	1373.2	1793.4	1792.8	3586.2	4959.4	467.3
1971	180.4	123.0	303.4	449.3	752.7	611.7	26.5	638.2	1390.9	2187.9	2104.9	4292.8	5683.7	468.2
1972	146.7	105.0	251.7	401.4	653.1	713.2	28.0	741.2	1394.3	2773.3	2582.4	5355.7	6750.0	571.6
1973	121.7	76.4	198.1	437.2	635.3	696.7	25.0	721.7	1357.0	3339.6	2969.8	6309.4	7666.4	688.0
1974	112.9	58.9	171.8	361.6	533.4	645.4	20.0	665.4	1198.8	3443.0	2780.6	6223.6	7422.4	682.9
1975	46.1	18.7	64.8	301.3	366.1	370.9	12.0	382.9	749.0	3208.9	2676.8	5885.7	6634.7	546.5
1976	52.3	15.3	67.6	286.9	354.5	475.4	11.0	486.4	840.9	3306.4	3320.2	6626.6	7467.5	676.0
1977	55.3	15.4	70.7	282.0	352.7	527.0	8.0	535.0	887.7	3674.1	3653.8	7327.9	8215.6	786.7
1978	47.0	15.0	62.0	300.9	362.9	534.6	7.0	541.6	904.5	3830.3	3952.7	7783.0	8687.5	923.3
1979	41.7	15.1	56.8	316.6	373.4	549.4	7.0	556.4	929.8	4154.3	4282.3	8436.6	9366.4	1014.4
1980	32.2	15.0	47.2	308.5	355.7	443.3	7.0	450.3	806.0	3744.3	4148.2	7892.5	8698.5	867.3
1981	33.4	15.1	48.5	257.0	305.5	460.6	4.0	464.6	770.1	3814.8	4191.1	8005.9	8776.0	1041.1
1982	20.8	12.4	33.2	195.2	228.4	355.0	1.0	356.0	584.4	3057.4	3402.5	6459.9	7044.3	899.2
1983	25.0	11.2	36.2	227.6	263.8	374.8	1.4	376.2	640.0	3567.8	3970.6	7538.4	8178.4	1167.2
1984	28.8	12.1	40.9	198.2	239.1	389.2	0.4	389.6	628.7	3524.4	3947.3	7471.7	8100.4	1394.0
1985	NA	NA	NA	NA	204.6	352.7	0.5	353.2	557.8	3790.2	3773.3	7563.5	8121.3	NA
1986	NA	NA	NA	NA	214.8	403.7	0.5	404.2	619.0	3835.9	3991.8	7827.7	8446.7	NA
1987	NA	NA	NA	NA	191.1	413.8	0.5	414.3	605.4	4009.7	4306.2	8315.9	8921.3	NA
1988	NA	NA	NA	NA	213.9	399.8	NA	399.8	613.7	4180.3	4345.6	8525.9	9139.6	NA
1989	NA	NA	NA	NA	217.5	362.8	NA	362.8	580.3	4225.5	4290.4	8515.9	9096.2	NA
1990	NA	NA	NA	NA	206.2	299.1	NA	299.1	505.3	4193.7	3990.8	8184.5	8689.8	NA

See footnotes on opposite page.

TABLE 6:
SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION DETAIL

ANNUALLY 1961 - 1990

MILLION POUNDS

	YARN+MONOFILAMENTS				STAPLE+TOW+FIBERFILL				
YEAR	NYLON [c]	OLEFIN [d]	ESTER [e]	TOTAL	NYLON [c]	ACRYL [f]	ESTER [e]	OTHER [g]	TOTAL
1961	441.7	18.9	36.6	497.2	34.2	140.1	77.4	2.0	253.7
1962	562.0	24.3	41.1	627.4	50.7	170.0	119.6	5.2	345.5
1963	630.0	30.3	52.5	712.8	61.5	209.7	166.6	5.4	443.2
1964	736.1	45.4	66.1	847.6	69.3	287.7	192.4	9.7	559.1
1965	846.1	65.6	86.0	997.7	93.7	368.4	305.2	15.1	782.4
1966	961.4	100.8	102.5	1164.7	118.7	352.9	409.3	37.2	918.1
1967	944.6	118.0	152.8	1215.4	124.6	397.7	568.1	47.5	1137.9
1968	1188.4	206.6	267.1	1662.1	162.1	521.0	827.3	56.9	1567.3
1969	1188.0	202.7	376.2	1766.9	223.2	533.0	938.8	66.0	1761.0
1970	1137.9	200.4	455.1	1793.4	216.8	491.9	1022.3	61.8	1792.8
1971	1237.9	261.8	688.2	2187.9	357.4	545.2	1142.5	59.8	2104.9
1972	1463.9	346.5	962.9	2773.3	510.6	625.9	1376.2	69.7	2582.4
1973	1582.8	423.8	1333.0	3339.6	591.9	742.1	1568.0	67.8	2969.8
1974	1560.0	463.1	1419.9	3443.0	563.7	631.2	1517.5	68.2	2780.6
1975	1295.4	442.9	1470.6	3208.9	561.9	524.6	1536.2	54.1	2676.8
1976	1372.5	515.7	1418.2	3306.4	702.7	621.0	1935.6	60.9	3320.2
1977	1512.4	554.1	1607.6	3674.1	813.7	708.8	2050.1	81.2	3653.8
1978	1654.0	596.6	1579.7	3830.3	895.9	725.7	2235.8	95.3	3952.7
1979	1781.6	639.1	1733.6	4154.3	938.8	761.1	2462.2	120.2	4282.3
1980	1631.1	632.2	1481.0	3744.3	726.6	779.2	2526.7	115.7	4148.2
1981	1580.7	642.9	1591.2	3814.8	751.8	690.8	2606.5	142.0	4191.1
1982	1241.6	585.2	1230.6	3057.4	685.0	624.1	1955.2	138.2	3402.5
1983	1492.2	716.1	1359.5	3567.8	926.4	670.5	2184.1	189.6	3970.6
1984	1577.3	747.1	1200.0	3524.4	834.8	670.8	2191.8	249.9	3947.3
1985	1514.8	954.5	1320.9	3790.2	827.7	630.8	2020.1	294.7	3773.3
1986	1605.5	1057.7	1172.7	3835.9	908.3	615.9	2132.3	335.3	3991.8
1987	1697.2	1133.8	1178.7	4009.7	992.4	591.5	2361.8	360.5	4306.2
1988	1727.5	1224.1	1228.7	4180.3	941.7	588.1	2451.8	364.0	4345.6
1989	1759.2	1257.2	1209.1	4225.5	980.8	542.7	2385.3	381.6	4290.4
1990	1671.9	1416.6	1105.2	4193.7	989.6	505.8	2089.9	405.5	3990.8

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the March 1985 issue.

NA No longer available.

a. Includes industrial (high tenacity) yarn and textile (regular+intermediate tenacity) yarn+monofilaments. Beginning January 1965, the high tenacity rayon yarn of 900 denier & finer is tabulated with regular tenacity yarn.

b. Includes diacetate and triacetate. The acetate staple+tow data do not include the quantities produced for cigarette filtration purposes.

c. Excludes aramid in 1983-1990.

d. Includes polypropylene yarn+monofilaments+spunbonded+film fiber and polyethylene monofilaments+film fiber.

e. Ester means polyester. Also includes other yarn which is chiefly saran and spandex through 1982.

f. Includes modacrylic.

g. Other staple+tow includes only olefin and vinyon for recent years. Vinyon is excluded in 1987-1990. Earlier years' data are on pages 8 & 9 of the January 1962 ORGANON Base Book issue and page 4 of the January-February 1971 issue.

h. Includes both textile and non-textile types of glass.

TABLE 7:
ARTIFICIAL (CELLULOSIC) MANUFACTURED FIBER DISTRIBUTION
ANNUALLY 1961 - 1990
MILLION POUNDS

	YARN+MONOFILAMENTS							STAPLE+TOW							TOTAL GLASS FIBER [b]				
	PRODUCERS' SHIPMENTS							PRODUCERS' SHIPMENTS							PRODUCERS' SHIPMENTS				
	TO DOM. CONSUMERS [a b]			EX-		IM-	MILL	TO DOM. CONSUMERS			EX-		IM-	MILL	DO-	EX-		IM-	MILL
YEAR	RAYON	ACET	TOTAL	PORTS	TOTAL	PORTS	CONS	RAYON	ACET [b]	TOTAL	PORTS	TOTAL	PORTS	CONS	MESTIC	PORTS	TOTAL	PORTS	CONS
1961	385.2	240.8	626.0	33.1	659.1	1.8	627.8	411.8	51.4	463.2	2.8	466.0	37.0	500.2	147.2	6.0	153.2	--	147.2
1962	384.6	281.7	666.3	44.9	711.2	2.6	668.9	499.2	44.4	543.6	3.8	547.4	50.9	594.5	177.5	6.6	184.1	--	177.5
1963	380.7	305.0	685.7	39.7	725.4	1.7	687.4	578.8	57.5	636.3	4.9	641.2	116.5	752.8	182.0	8.5	190.5	--	182.0
1964	399.6	363.8	763.4	28.5	791.9	5.2	768.6	575.7	57.5	633.2	7.7	640.9	114.5	747.7	220.6	11.8	232.4	--	220.6
1965	409.3	366.4	775.7	22.1	797.8	6.8	782.5	636.3	54.4	690.7	8.4	699.1	77.2	767.9	268.2	18.7	286.9	--	268.2
1966	389.6	387.5	777.1	15.2	792.3	3.7	780.8	636.5	59.0	695.5	9.4	704.9	114.8	810.3	314.2	7.9	322.1	1.1	315.3
1967	311.1	421.0	732.1	18.2	750.3	7.7	739.8	625.9	49.5	675.4	4.3	679.7	85.0	760.4	302.7	8.2	310.9	1.0	303.7
1968	353.5	426.4	779.9	17.6	797.5	14.6	794.5	720.0	48.5	768.5	5.4	773.9	125.0	893.5	383.7	12.1	395.8	0.1	383.8
1969	294.7	444.7	739.4	16.0	755.4	4.1	743.5	737.9	42.3	780.2	5.0	785.2	91.2	871.4	460.4	17.7	478.1	0.1	460.5
1970	251.1	444.8	695.9	38.3	734.2	3.7	699.6	599.9	34.3	634.2	7.8	642.0	80.6	714.8	404.2	29.9	434.1	0.7	404.9
1971	297.0	432.3	729.3	33.2	762.5	5.2	734.5	643.6	26.2	669.8	3.7	673.5	81.3	751.1	464.9	17.4	482.3	1.8	466.7
1972	246.9	385.9	632.8	23.9	656.7	10.8	643.6	690.7	27.7	718.4	2.0	720.4	51.3	769.7	559.8	17.5	577.3	9.4	569.2
1973	197.6	392.3	589.9	60.7	650.6	18.1	608.0	709.5	25.0	734.5	14.7	749.2	47.4	781.9	663.0	36.5	699.5	13.0	676.0
1974	153.1	320.3	473.4	48.8	522.2	9.2	482.6	569.5	19.7	589.2	36.0	625.2	38.7	627.9	619.3	38.0	657.3	11.5	630.8
1975	74.9	293.7	368.6	32.9	401.5	9.2	377.8	373.4	12.0	385.4	20.2	405.6	37.9	423.3	524.6	18.3	542.9	8.9	533.5
1976	65.1	249.4	314.5	40.3	354.8	25.1	339.6	461.0	11.0	472.0	35.6	507.6	43.2	515.2	663.3	35.0	698.3	14.3	677.6
1977	68.1	259.4	327.5	25.2	352.7	23.5	351.0	444.9	8.0	452.9	62.3	515.2	57.8	510.7	759.3	28.9	798.2	22.0	791.3
1978	63.0	274.6	337.6	27.6	365.2	25.7	363.3	459.2	7.0	466.2	96.5	562.7	41.1	507.3	864.9	27.7	892.6	21.8	886.7
1979	55.0	288.4	343.4	31.8	375.2	13.3	356.7	442.4	7.0	449.4	100.1	549.5	16.5	465.9	912.2	48.3	960.5	10.4	922.6
1980	47.5	269.2	316.7	32.7	349.4	8.3	325.0	390.7	7.0	397.7	61.0	458.7	10.3	408.0	867.1	48.6	915.7	7.3	874.4
1981	46.6	226.3	272.9	34.8	307.7	10.7	283.6	396.9	4.0	400.9	59.8	460.7	16.8	417.7	963.8	35.2	999.0	18.2	982.0
1982	30.1	169.0	199.1	29.8	228.9	7.0	206.1	293.7	1.0	294.7	66.5	361.2	13.4	308.1	861.5	42.9	904.4	14.1	875.6
1983	35.5	197.6	233.1	28.2	261.3	8.7	241.8	333.5	1.4	334.9	43.9	378.8	13.6	348.5	1146.1	37.4	1183.5	20.0	1166.1
1984	38.2	180.1	218.3	18.2	236.5	10.0	228.3	331.9	0.4	332.3	52.1	384.4	17.0	349.3	1250.7	58.0	1308.7	23.1	1273.8
1985	NA	NA	187.1	23.0	210.1	13.9	201.0	323.7	0.5	324.2	35.0	359.2	12.3	336.5	NA	NA	1259.6	34.7	NA
1986	NA	NA	192.1	20.2	212.3	17.0	209.1	373.0	0.5	373.5	30.8	404.3	17.4	390.9	NA	NA	1339.3	23.7	NA
1987	NA	NA	166.8	24.9	191.7	12.8	179.6	383.1	0.5	383.6	32.4	416.0	13.8	397.4	NA	NA	1513.1	29.4	NA
1988	NA	NA	182.6	34.1	216.7	17.6	200.2	386.0	NA	386.0	20.5	406.5	20.4	406.4	NA	NA	1587.6	26.2	NA
1989	NA	NA	187.3	31.7	219.0	26.3	213.6	338.2	NA	338.2	16.2	354.4	54.0	392.2	NA	NA	1530.1	NA	NA
1990	NA	NA	172.7	34.0	206.7	24.2	196.9	291.7	NA	291.7	12.5	304.2	111.6	403.3	NA	NA	1517.6	NA	NA

See footnotes on opposite page.

TABLE 8:
SYNTHETIC (NONCELLULOSIC) MANUFACTURED FIBER DISTRIBUTION

ANNUALLY 1961 - 1990
MILLION POUNDS

	YARN+MONOFILAMENTS								STAPLE+TOW+FIBERFILL								
	PRODUCERS' SHIPMENTS						IM-	DO-	PRODUCERS' SHIPMENTS							IM-	DO-
	TO DOMESTIC CONSUMERS				EX-			MESTIC	TO DOMESTIC CONSUMERS					EX-			MESTIC
YEAR	NYLON [c]	OLEFIN [d]	ESTER [e]	TOTAL	PORTS	TOTAL	PORTS	CONS	NYLON [c]	ACRYL [f]	ESTER [e]	OTH [g]	TOTAL	PORTS	TOTAL	PORTS	CONS
1961	419.0	17.5	36.1	472.6	25.2	497.8	4.7	477.3	36.0	123.8	70.9	3.0	233.7	22.3	256.0	3.2	236.9
1962	503.1	22.5	38.1	563.7	41.1	604.8	7.0	570.7	47.5	147.1	115.3	3.6	313.5	20.3	333.8	13.9	327.4
1963	570.9	29.1	48.9	648.9	43.2	692.1	6.3	655.2	54.3	201.5	150.7	5.0	411.5	18.3	429.8	8.8	420.3
1964	685.9	44.2	63.6	793.7	62.8	856.5	3.7	797.4	68.3	263.2	177.5	8.6	517.6	34.1	551.7	19.2	536.8
1965	781.9	60.1	77.2	919.2	46.1	965.3	8.5	927.7	85.1	324.5	290.4	13.5	713.5	32.3	745.8	52.1	765.6
1966	880.0	94.6	94.8	1069.4	54.4	1123.8	12.5	1081.9	108.8	328.0	372.1	33.1	842.0	39.7	881.7	61.0	903.0
1967	907.4	116.1	144.8	1168.3	58.6	1226.9	16.4	1184.7	120.6	371.2	537.2	40.5	1069.5	60.3	1129.8	63.2	1132.7
1968	1085.8	199.0	237.2	1522.0	84.5	1606.5	33.7	1555.7	157.2	467.1	756.1	52.4	1432.8	72.2	1505.0	89.8	1522.6
1969	1063.4	188.6	364.5	1616.5	84.9	1701.4	32.5	1649.0	202.7	473.4	883.3	61.7	1621.1	100.3	1721.4	67.5	1688.6
1970	1052.6	187.0	443.0	1682.6	82.3	1764.9	120.8	1803.4	201.2	430.7	992.9	57.3	1682.1	108.6	1790.7	57.7	1739.8
1971	1206.7	246.5	646.9	2100.1	78.5	2178.6	234.4	2334.5	330.1	463.7	1111.4	58.9	1964.1	130.5	2094.6	93.3	2057.4
1972	1430.6	312.4	946.8	2689.8	87.4	2777.2	224.5	2914.3	476.6	536.0	1286.9	63.6	2363.1	174.1	2537.2	103.7	2466.8
1973	1544.7	395.4	1333.6	3273.7	127.4	3401.1	140.1	3413.8	586.8	662.0	1530.3	69.3	2848.4	233.0	3081.4	112.8	2961.2
1974	1408.8	426.3	1307.2	3142.3	140.6	3282.9	92.1	3234.4	487.8	514.9	1388.1	59.7	2450.5	195.3	2645.8	73.2	2523.7
1975	1289.7	436.1	1489.0	3214.8	104.5	3319.3	53.8	3268.6	557.9	467.3	1473.6	54.7	2553.5	209.9	2763.4	55.2	2608.7
1976	1279.3	482.0	1385.9	3147.2	138.5	3285.7	64.0	3211.2	665.4	517.3	1777.2	58.6	3018.5	247.4	3265.9	67.3	3085.8
1977	1396.2	539.6	1525.6	3461.4	159.0	3620.4	92.5	3553.9	791.7	619.8	1880.3	81.3	3373.1	270.0	3643.1	52.9	3426.0
1978	1539.1	579.7	1523.1	3641.9	197.5	3839.4	52.2	3694.1	876.4	571.6	1967.5	90.0	3505.5	411.4	3916.9	60.5	3566.0
1979	1631.3	624.2	1542.1	3797.6	319.3	4116.9	20.0	3817.6	913.2	546.6	2134.4	119.3	3713.5	593.2	4306.7	39.3	3752.8
1980	1538.9	611.7	1381.4	3532.0	301.8	3833.8	19.6	3551.6	711.2	585.3	2071.0	115.0	3482.5	689.8	4172.3	35.6	3518.1
1981	1404.3	628.3	1450.5	3483.1	282.5	3765.6	18.9	3502.0	696.4	494.1	2005.4	132.0	3327.9	820.4	4148.3	60.5	3388.4
1982	1165.6	577.0	1151.3	2893.9	220.2	3114.1	23.8	2917.7	673.3	457.9	1767.5	138.9	3037.6	369.9	3407.5	51.2	3088.8
1983	1392.4	698.6	1294.4	3385.4	187.3	3572.7	48.3	3433.7	897.1	492.2	2099.2	183.4	3671.9	281.5	3953.4	101.4	3773.3
1984	1438.1	725.6	1144.9	3308.6	189.0	3497.6	90.0	3398.6	814.4	446.7	1992.2	240.9	3494.2	442.4	3936.6	131.1	3625.3
1985	1417.4	937.6	1204.2	3559.2	240.2	3799.4	104.6	3663.8	830.3	458.7	1872.7	279.7	3441.4	372.8	3814.2	159.4	3600.8
1986	1479.6	1049.2	1092.4	3621.2	200.6	3821.8	126.1	3747.3	894.9	531.2	1998.6	312.7	3737.4	239.8	3977.2	182.8	3920.2
1987	1554.3	1135.5	1113.4	3803.2	214.7	4017.9	123.9	3927.1	966.0	479.3	2201.0	341.1	3987.4	325.6	4313.0	189.0	4176.4
1988	1572.4	1199.8	1157.4	3929.6	260.5	4190.1	116.3	4045.9	944.9	421.1	2311.8	344.2	4022.0	344.8	4366.8	196.2	4218.2
1989	1575.3	1226.0	1110.7	3912.0	237.9	4149.9	182.2	4094.2	955.3	414.8	2261.3	363.4	3994.8	253.3	4248.1	192.4	4187.2
1990	1537.5	1404.9	1046.2	3988.6	265.1	4253.7	154.7	4143.3	950.2	352.2	2015.4	387.9	3705.7	278.9	3984.6	209.8	3915.5

NA No longer available.

Domestic consumption (CONS) means the sum of fiber producers' domestic shipments and general imports .

General imports (IMPORTS): yarn+monofil includes yarn singles, monofilaments & strips: staple+tow includes grouped filaments. Not included here are plied, spun & handwork yarns, sewing thread, sliver,tops & roving waste.

a - h. See these lettered footnotes on page 51.

Synthetic (noncellulosic) data from 1940 are on page 5 of the January - February 1971 issue. Rayon+acetate data from 1911 are on page 9 of the January 1962 ***Organon*** Base Book.

TABLE 9:
U.S. MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF PRODUCTS
MILLION POUNDS & *PERCENT*

	MANUFACTURED FIBER MILL CONSUMPTION=PRODUCERS' SHIPMENTS (DOM) PLUS IMPORTS FOR CONSUMPTION (IMP)																					
	ARTIFICIAL (CELLULOSIC) FIBER											SYNTHETIC (NONCELLULOSIC) FIBER										
	YARN+MONOFIL			STAPLE+TOW			WASTE					YARN+MONOFIL			STAPLE+TOW			WASTE				
YEAR	DOM	IMP	TOTAL	DOM	IMP	TOTAL	SHIP	IMP	EXP	NET	TOTAL	DOM	IMP	TOTAL	DOM	IMP	TOTAL	SHIP	IMP	EXP	NET	TOTAL
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
1976	314.5	25.1	339.6	472.0	43.2	515.2	14.7	0.4	14.6	0.5	855.3	3147.2	64.0	3211.2	3018.5	67.3	3085.8	262.3	30.5	70.2	222.6	6519.6
1977	327.5	23.5	351.0	452.9	57.8	510.7	18.5	0.6	12.6	6.5	868.2	3461.4	92.5	3553.9	3373.1	52.9	3426.0	291.0	23.2	66.1	248.1	7228.0
1978	337.6	25.7	363.3	466.2	41.1	507.3	15.7	0.4	7.0	9.1	879.7	3641.9	52.2	3694.1	3505.5	60.5	3566.0	263.9	26.0	88.7	201.2	7461.3
1979	343.4	13.3	356.7	449.4	16.5	465.9	17.2	0.8	9.6	8.4	831.0	3797.6	20.0	3817.6	3713.5	39.3	3752.8	238.6	21.1	137.7	122.0	7692.4
1980	316.7	8.3	325.0	397.7	10.3	408.0	13.5	0.3	6.1	7.7	740.7	3532.0	19.6	3551.6	3482.5	35.6	3518.1	170.2	21.5	116.4	75.3	7145.0
1981	272.9	10.7	283.6	400.9	16.8	417.7	15.3	0.5	2.8	13.0	714.3	3483.1	18.9	3502.0	3327.9	60.5	3388.4	174.2	49.9	107.3	116.8	7007.2
1982	199.1	7.0	206.1	294.7	13.4	308.1	10.7	0.4	3.2	7.9	522.1	2893.9	23.8	2917.7	3037.6	51.2	3088.8	173.2	37.8	86.1	124.9	6131.4
1983	233.1	8.7	241.8	334.9	13.6	348.5	9.4	0.3	1.4	8.3	598.6	3385.4	48.3	3433.7	3671.9	101.4	3773.3	214.1	46.1	71.3	188.9	7395.9
1984	218.3	10.0	228.3	332.3	17.0	349.3	11.4	0.5	1.6	10.3	587.9	3308.6	90.0	3398.6	3494.2	131.1	3625.3	216.9	50.5	89.7	177.7	7201.6
1985	187.1	13.9	201.0	324.2	12.3	336.5	8.8	0.5	1.2	8.1	545.6	3559.2	104.6	3663.8	3441.4	159.4	3600.8	260.2	40.7	75.6	225.3	7489.9
1986	192.1	17.0	209.1	373.5	17.4	390.9	10.4	0.1	2.2	8.3	608.3	3621.2	126.1	3747.3	3737.4	182.8	3920.2	261.5	40.3	123.7	178.1	7845.6
1987	166.8	12.8	179.6	383.6	13.8	397.4	9.6	0.1	1.1	8.6	585.6	3803.2	123.9	3927.1	3987.4	189.0	4176.4	239.1	47.0	113.5	172.6	8276.1
1988	182.6	17.6	200.2	386.0	20.4	406.4	7.8	+	2.0	5.8	612.4	3929.6	116.3	4045.9	4022.0	196.2	4218.2	244.8	40.5	144.4	140.9	8405.0
1989	187.3	26.3	213.6	338.2	54.0	392.2	6.0	0.6	11.6	-5.0	600.8	3912.0	182.2	4094.2	3994.8	192.4	4187.2	220.8	48.0	141.4	127.4	8408.8
1990	172.7	24.2	196.9	291.7	111.6	403.3	4.4	0.5	6.2	-1.3	598.9	3988.6	154.7	4143.3	3705.7	209.8	3915.5	260.1	54.5	135.3	179.3	8238.1

Continued on opposite page.

TABLE 9:
U.S. MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF PRODUCTS *(CONTINUED)*
MILLION POUNDS & *PERCENT*

YEAR	MILL CONSUMPTION OF 4 FIBERS										DOMESTIC CONSUMPTION OF 3 FIBERS (CONS)=MILL CONSUMPTION+IMPORTS (IMP) LESS EXPORTS (EXP) OF SEMIMANUFACTURED & MANUFACTURED PRODUCTS											
	MANUFACTURED FIBER		COTTON		WOOL		SILK		TOTAL		MANUFAC. FIBER			COTTON			WOOL			TOTAL		
	LB	%	LB	%	LB	%	LB	%	LB	%	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS
	(23)		(24)		(25)		(26)		(27)		(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)
1976	7374.9	*67.6*	3389.0	*31.1*	145.9	*1.3*	2.8	--	10912.6	*100.0*	479.5	352.2	7502.2	708.6	413.2	3684.4	66.7	13.9	198.7	1254.8	779.3	11388.1
1977	8096.2	*71.0*	3169.8	*27.8*	133.9	*1.2*	1.6	--	11401.5	*100.0*	530.7	367.7	8259.2	669.4	369.5	3469.7	85.9	11.5	208.3	1286.0	748.7	11938.8
1978	8341.0	*72.4*	3040.4	*26.4*	141.6	*1.2*	2.0	--	11525.0	*100.0*	642.6	441.7	8541.9	845.4	355.7	3530.1	92.2	11.6	222.2	1580.2	809.0	12296.2
1979	8523.4	*72.7*	3066.4	*26.2*	134.4	*1.1*	1.5	--	11725.7	*100.0*	525.0	596.6	8451.8	746.1	478.0	3334.5	80.6	14.0	201.0	1351.7	1088.6	11988.8
1980	7885.7	*71.2*	3064.4	*27.6*	137.8	*1.2*	1.0	--	11088.9	*100.0*	540.6	771.5	7654.8	810.9	523.1	3352.2	85.1	23.8	199.1	1436.6	1318.4	11207.1
1981	7721.5	*72.9*	2730.8	*25.7*	152.7	*1.4*	2.0	--	10607.0	*100.0*	639.1	637.7	7722.9	961.9	367.3	3325.4	93.1	11.8	234.0	1694.1	1016.8	11284.3
1982	6653.5	*71.8*	2478.9	*26.8*	129.5	*1.4*	2.0	--	9263.9	*100.0*	697.9	438.5	6912.9	897.2	253.4	3122.7	100.1	10.8	218.8	1695.2	702.7	10256.4
1983	7994.5	*73.0*	2795.7	*25.5*	162.5	*1.5*	1.6	--	10954.3	*100.0*	1069.5	460.7	8603.3	1135.5	219.6	3711.6	131.9	9.9	284.5	2336.9	690.2	12601.0
1984	7789.5	*73.4*	2668.2	*25.1*	163.2	*1.5*	1.4	--	10622.3	*100.0*	1342.6	487.9	8644.2	1465.6	206.1	3927.7	190.1	9.6	343.7	2998.3	703.6	12917.0
1985	8035.5	*73.3*	2796.0	*25.5*	134.7	*1.2*	1.5	--	10967.7	*100.0*	1491.0	499.1	9027.4	1629.2	213.2	4212.0	250.2	15.9	369.0	3370.4	728.2	13609.9
1986	8453.9	*70.9*	3301.7	*27.7*	164.5	*1.4*	1.0	--	11921.1	*100.0*	1703.0	519.3	9637.6	1910.5	274.8	4937.4	260.5	14.2	410.8	3874.0	808.3	14986.8
1987	8861.7	*69.4*	3736.5	*29.3*	167.6	*1.3*	1.0	--	12766.8	*100.0*	1805.4	591.9	10075.2	2335.7	298.0	5774.2	258.3	21.3	404.6	4399.4	911.2	16255.0
1988	9017.4	*71.4*	3470.1	*27.4*	156.1	*1.2*	1.0	--	12644.6	*100.0*	1735.7	684.6	10068.5	2118.8	330.2	5258.7	230.5	27.8	358.8	4085.0	1042.6	15687.0
1989	9009.6	*68.6*	3985.9	*30.3*	139.6	*1.1*	1.0	--	13136.1	*100.0*	*1820.0	*740.0	*10089.6	*2440.0	*360.0	*6065.9	*215.0	*33.0	*321.6	*4475.0	*1133.0	*16478.1
1990	8837.0	*67.9*	4036.5	*31.1*	135.4	*1.0*	1.0	--	13009.9	*100.0*	*1820.0	*820.0	*9837.0	*2490.0	*522.0	*6004.5	*206.0	*41.0	*300.4	*4516.0	*1383.0	*16142.9

NOTE Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the March 1985 issue.
This table, expanded to include the New MFA Fibers, will be reproduced in a forthcoming issue.

* **PRELIMINARY ESTIMATES DERIVED FROM DEPARTMENT OF COMMERCE DATA.**

SOURCES OF DATA, ARRANGED BY COLUMN NUMBER ( ):

1 & 4: This issue on page 52.
12 & 15: This issue on page 53.
7 & 18: This issue on page 56.
2: For 1976 - 1988: Import Classes 309.0310, .0610, .2000, 310.0106, .0130, .0206, .0230 & .0610.
For 1989 - 1990: Import Classes 5403.10.30.20, 5403.10.30.40, 5403.10.60.00, 5403.20.30.00, 5403.20.60.00, 5403.31.00.20 - 5403.39.00.40, 5403.41.10.00 - 5403.49.00.00, 5405.00.30.00 & 5405.00.60.00.
5: For 1976 - 1988: Import Classes 309.3010, .3310, .4320 & .4325.
For 1989 - 1990: Import Classes 5504.10.00.00, 5504.90.00.00, 5502.00.00.00 & 5507.00.00.00.
8: For 1976 - 1988: Import Classes 309.6615 & .7510.
For 1989 - 1990: Import Class 5505.20.00.00.
9: For 1976 - 1988: Export Class 309.7400.
For 1989 - 1990: Export Class 5505.20.00.00.
13: For 1976 - 1988: Import Classes 309.0200, .0330, .0340, .0365, .0500, .0630, .0640, .0665, .2100, .2500, 310.0107, .0108, .0110, .0114, .0149, .0150, .0170, .0207, .0208, .0210, .0214, .0249, .0250, .0270, .0550, .0630 & .0650.
For 1989 - 1990: Import Classes 5402.10.30.20, 5402.10.30.40, 5402.10.60.00, 5402.31.30.00, 5402.31.60.00, 5402.32.30.00, 5402.32.60.00, 5402.41.00.20, 5402.41.00.40, 5402.51.00.00, 5402.61.00.00, 5404.10.20.20, 5402.20.30.20, 5402.20.30.40, 5402.20.60.00, 5402.33.30.00, 5402.33.60.00, 5402.42.00.00, 5402.43.00.20, 5402.43.00.40, 5402.52.00.00, 5402.62.00.00, 5404.10.20.40, 5402.39.30.00, 5402.39.30.10, 5402.39.30.90, 5402.39.60.00, 5402.39.60.10, 5402.39.60.90, 5402.49.00.10, 5402.49.00.30, 5402.49.00.60, 5402.49.00.80, 5402.59.00.00, 5402.69.00.00, 5404.10.10.00, 5404.10.20.90 & 5404.90.00.00.
16: For 1976 - 1988: Import Classes 309.3030, .3040, .3050, .3065, .3200, .3340, .3350, .3365, .4331, .4336, .4341, .4351, .4361, .4366, .4371 & .4390.
For 1989: Import Classes 5503.10.00.00, 5503.20.00.00, 5503.30.00.00, 5503.40.00.00, 5503.90.00.00, 5501.10.00.00, 5501.20.00.00, 5501.30.00.00, 5501.90.00.00, 5506.10.00.00, 5506.20.00.00, 5506.30.00.00 & 5506.90.00.00.
19: For 1976 - 1988: Import Classes 309.6625, .6630, .6645, .6660, .7000 & .7525 - .7555.
For 1989 - 1990: Import Classes 5505.10.00.20, 5505.10.00.40 & 5505.10.00.60.
20: For 1976 - 1988: Export Classes 309.7620, .7630, .7640 & .7660.
For 1989 - 1990: Export Classes 5505.10.00.20, 5505.10.00.40 & 5505.10.00.60.
24: U.S. Census Bureau Report M22P.
25: U.S. Census Bureau Report M22D.
26: For 1976 - 1988: Import Classes 308.0220 - .2000.
28, 29, 31, 32, 34 & 35: ***Cotton and Wool Outlook & Situation,*** U.S. Department of Agriculture.

CERTAIN TOTALS IN THE TABLES:
(Obvious totals such as Columns 1+2=3, 4+5=6, etc. are not described here.)
10: Columns 7+8-9
21: Columns 18+19-20
23: Columns 11+22
30: Columns 23+28-29
33: Columns 24+31-32
36: Columns 25+34-35

TABLE 10:
PRODUCERS' WASTE SHIPMENTS
MILLION POUNDS

YEAR	RAYON	SYNTHETIC (NONCELL.)
1965	51.5	55.2
1966	44.6	66.5
1967	36.1	92.8
1968	44.3	122.3
1969	39.4	140.3
1970	34.5	136.3
1971	36.3	157.8
1972	38.5	202.7
1973	36.8	274.8
1974	29.9	246.4
1975	13.2	228.7
1976	14.7	252.3
1977	18.5	291.0
1978	15.7	263.9
1979	17.2	238.6
1980	13.5	170.2
1981	15.3	174.2
1982	10.7	173.2
1983	9.4	214.1
1984	11.4	216.9
1985	8.8	260.2
1986	10.4	261.5
1987	9.6	239.1
1988	7.8	244.8
1989	6.0	220.8
1990	4.4	260.1

TABLE 11:
RAW COTTON CONSUMPTION
BALES [a]

MONTH	1982	1983	1984	1985	1986	1987	1988	1989	1990
JANUARY	378	404	469	389	595	546	568	568	605
FEBRUARY	398	430	447	405	499	562	590	584	633
MARCH	492	549	547	504	492	734	738	751	794
APRIL	409	431	430	406	620	573	556	623	624
MAY	392	441	442	426	503	586	551	645	641
JUNE	460	543	501	521	489	708	662	798	826
JULY	317	369	354	366	522	518	433	559	560
AUGUST	386	453	415	458	534	614	563	680	680
SEPTEMBER	474	560	494	562	523	753	676	828	835
OCTOBER	416	459	415	493	683	621	538	664	671
NOVEMBER	390	446	382	477	529	606	509	617	610
DECEMBER	425	468	408	480	568	610	554	653	601
TOTAL	**4937**	**5553**	**5304**	**5487**	**6557**	**7431**	**6938**	**7970**	**8080**

SOURCE: U.S. Department of Commerce, Bureau of the Census Report M22P.

a. Running Bales of 500 lbs. net.

TABLE 12:
RAW SILK DELIVERIES
BALES [a]

MONTH	1982	1983	1984	1985	1986	1987	1988	1989	1990
JANUARY	450	280	715	462	410	411	292	358	455
FEBRUARY	489	506	537	689	504	680	430	234	352
MARCH	662	390	455	344	197	572	559	471	387
APRIL	398	462	315	480	244	526	317	329	158
MAY	234	717	636	415	225	245	302	405	342
JUNE	369	377	655	NA	227	447	189	564	150
JULY	495	264	229	NA	555	253	203	353	248
AUGUST	403	474	672	NA	NA	327	613	401	53
SEPTEMBER	364	534	532	NA	NA	330	310	288	49
OCTOBER	226	529	562	NA	NA	470	126	317	103
NOVEMBER	514	587	391	NA	NA	239	367	475	152
DECEMBER	317	324	538	NA	NA	448	108	442	139
TOTAL	**4921**	**5444**	**6237**	**4813**	**4272**	**4948**	**3816**	**4637**	**2588**

SOURCE: International Silk Association.
NA Monthly data not available.

a. Average Bale weight 132 lbs.

TABLE 13:
U.S. MANUFACTURED FIBER IMPORTS[a]
THOUSAND POUNDS

ITEM	1991 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1991	1990
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	311												311	242
TEXTURED	0												0	54
OTHER	1845												1845	1385
MONOFILAMENTS & STRIPS	1												1	150
SUBTOTAL ABOVE	**2157**												**2157**	**1831**
STAPLE	8891												8891	5989
TOW	626												626	312
TOPS	0												0	3
SUBTOTAL ABOVE	**9517**												**9517**	**6304**
WASTE	**87**												**87**	**0**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	1173												1173	1435
TEXTURED														
UP TO 450 DENIER	198												198	270
OVER 450 DENIER	1197												1197	2936
POY	2103												2103	0
OTHER	81												81	4531
MONOFILAMENTS & STRIPS	150												150	216
SUBTOTAL ABOVE	**4902**												**4902**	**9388**
POLYESTER														
HIGH TENACITY	785												785	614
TEXTURED	833												833	785
POY	207												207	719
OTHER	1548												1548	2038
MONOFILAMENTS & STRIPS	41												41	53
SUBTOTAL ABOVE	**3414**												**3414**	**4209**
OTHER SYNTHETIC FILAMENT														
TEXTURED	0												0	1451
OTHER	200												200	277
MONOFILAMENTS & STRIPS	532												532	611
SUBTOTAL ABOVE	**732**												**732**	**2339**
STAPLE														
NYLON	1879												1879	4048
POLYESTER	14049												14049	9261
ACRYLIC	853												853	1711
POLYPROPYLENE	134												134	543
OTHER	276												276	196
TOW														
NYLON	591												591	409
POLYESTER	35												35	15
ACRYLIC	2869												2869	2512
OTHER	16												16	70
TOPS	149												149	102
SUBTOTAL ABOVE	**20851**												**20851**	**18867**
WASTE														
NYLON	2030												2030	2694
POLYESTER	2217												2217	2703
OTHER	309												309	444
TOTAL MANUFACTURED FIBERS ABOVE	**46216**												**46216**	**48779**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	49												49	116
SPUN YARN	579												579	428
SPUN YARNS														
SYNTHETIC	431												431	2429
ARTIFICIAL	0												0	0
PUT UP FOR RETAIL SALE	67												67	2
GRAND TOTAL ABOVE	**47342**												**47342**	**51754**

SOURCE: U.S. Census Bureau Report IM145X.

a. U.S. General Imports.

TABLE 14:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	1991 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1991	1990
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	134												134	92
TEXTURED	65												65	217
OTHER	32												32	66
MONOFILAMENTS & STRIPS	2												2	97
SUBTOTAL ABOVE	**233**												**233**	**472**
STAPLE	970												970	1195
TOPS	0												0	333
SUBTOTAL ABOVE	**970**												**970**	**1528**
WASTE	**527**												**527**	**330**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	8066												8066	7757
TEXTURED														
UP TO 450 DENIER	1066												1066	1571
OVER 450 DENIER	4019												4019	5636
OTHER	3060												3060	2637
MONOFILAMENTS & STRIPS	34												34	8
SUBTOTAL ABOVE	**16245**												**16245**	**17609**
POLYESTER														
HIGH TENACITY	5634												5634	4308
TEXTURED	5002												5002	3074
POY	657												657	1831
OTHER	2302												2302	1297
MONOFILAMENTS & STRIPS	138												138	185
SUBTOTAL ABOVE	**13733**												**13733**	**10695**
OTHER SYNTHETIC FILAMENT														
TEXTURED	600												600	535
OTHER	1642												1642	2035
MONOFILAMENTS & STRIPS	1049												1049	876
SUBTOTAL ABOVE	**3291**												**3291**	**3446**
STAPLE														
NYLON	2142												2142	3163
POLYESTER	6379												6379	7157
ACRYLIC	2414												2414	4584
POLYPROPYLENE	3302												3302	2038
OTHER	1367												1367	2688
TOW														
NYLON	253												253	121
POLYESTER	58												58	18
ACRYLIC	1511												1511	1710
OTHER	14												14	26
TOPS	11000												11000	3984
SUBTOTAL ABOVE	**28440**												**28440**	**25489**
WASTE														
NYLON	2788												2788	4117
POLYESTER	2945												2945	3268
OTHER	6305												6305	3343
TOTAL MANUFACTURED FIBERS ABOVE	**75477**												**75477**	**70297**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	34												34	28
SPUN YARN	0												0	0
SPUN YARNS														
SYNTHETIC	784												784	3007
ARTIFICIAL	0												0	0
PUT UP FOR RETAIL SALE	854												854	287
GRAND TOTAL ABOVE	**77149**												**77149**	**73619**

SOURCE: U.S. Census Bureau Report EM522.

TABLE 15:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1991 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1991	1990
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	123												123	67
BRAZIL	109												109	26
CANADA	775												775	628
CHILE	44												44	0
WEST GERMANY	478												478	422
IRELAND	0												0	145
JAPAN	111												111	104
MEXICO	150												150	102
NETHERLANDS	263												263	282
UNITED KINGDOM	86												86	34
ALL OTHER COUNTRIES [a]	18												18	21
TOTAL ARTIFICIAL YARN	2157												2157	1831
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	1339												1339	319
CANADA	3228												3228	4973
FINLAND	309												309	26
WEST GERMANY	515												515	89
JAPAN	84												84	143
SPAIN	0												0	0
TAIWAN	1336												1336	354
THAILAND	763												763	47
UNITED KINGDOM	815												815	89
YUGOSLAVIA	584												584	0
ALL OTHER COUNTRIES [b]	544												544	264
TOTAL ARTIFICIAL STAPLE+TOW	9517												9517	6304
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	145												145	776
BRAZIL	0												0	70
CANADA	2157												2157	3834
COSTA RICA	697												697	762
ECUADOR	0												0	53
FRANCE	275												275	2007
WEST GERMANY	1471												1471	2096
IRELAND	107												107	39
ITALY	89												89	892
JAPAN	504												504	760
KOREA, REP. OF	90												90	31
MEXICO	1403												1403	1393
NETHERLANDS	187												187	103
PORTUGAL	0												0	62
SPAIN	0												0	114
TAIWAN	89												89	791
THAILAND	61												61	58
UNITED KINGDOM	1674												1674	1881
ALL OTHER COUNTRIES [c]	99												99	214
TOTAL SYNTHETIC YARN	9048												9048	15936
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	15												15	0
AUSTRALIA	75												75	38
BELGIUM	4												4	1
BRAZIL	0												0	0
CANADA	1378												1378	3703
FRANCE	544												544	592
WEST GERMANY	1136												1136	1017
INDIA	3008												3008	1731
IRELAND	0												0	0
ITALY	176												176	422
JAPAN	2386												2386	1754
KOREA, REP. OF	4958												4958	1786
MEXICO	1957												1957	3590
SPAIN	14												14	35
SWITZERLAND	117												117	399
TAIWAN	3102												3102	888
TURKEY	0												0	112
UNITED KINGDOM	1848												1848	2249
ALL OTHER COUNTRIES [d]	133												133	550
TOTAL SYNTHETIC STAPLE+TOW	20851												20851	18867

a. France 15, Belgium 3.

b. China, PRC 321, Sweden 168, Poland 37, USSR 18.

c. Israel 50, El Salvador 25, Colombia 12, Sweden 7, Australia 4, Switzerland 1.

d. Romania 57, Israel 54, Netherlands 16, China, PRC 5, Denmark 1.

TABLE 16:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1990 REVISED												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1990	1989
MANUFACTURED FIBER TOTAL SHIPMENTS[b,c]														
ARTIFICIAL (CELLULOSIC)														
YARN	15.1	15.4	17.4	18.1	17.4	16.9	19.1	17.3	17.6	19.3	15.3	17.8	206.7	219.0
RAYON STAPLE	30.1	25.3	26.3	28.2	25.1	22.6	24.8	25.0	25.3	28.5	22.3	20.7	304.2	354.4
TOTAL ARTIFICIAL (CELLULOSIC)	45.2	40.7	43.7	46.3	42.5	39.5	43.9	42.3	42.9	47.8	37.6	38.5	510.9	573.4
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	24.9	30.3	28.4	28.4	28.8	27.6	24.9	30.6	32.5	28.5	30.0	26.3	341.2	364.5
- CARPET	86.5	81.1	82.2	85.6	80.1	75.8	71.8	88.4	80.7	86.0	83.8	84.0	986.0	967.7
- TEXTILE	28.9	28.2	29.9	32.0	32.0	31.3	29.0	31.0	31.9	32.7	32.3	29.9	369.1	399.9
POLYESTER - INDUSTRIAL[d]	27.2	28.6	31.8	32.9	30.1	30.2	28.1	29.4	28.3	32.5	30.0	31.8	360.9	365.3
- TEXTILE[f]	56.6	56.2	58.0	69.8	68.4	61.4	59.2	68.9	65.2	67.1	66.5	72.9	770.2	804.0
OLEFIN[e]	107.2	116.5	116.7	124.2	124.5	122.2	113.3	124.1	124.7	125.7	119.1	108.1	1426.3	1248.5
TOTAL YARN	331.3	340.9	347.0	372.9	363.9	348.5	326.3	372.4	363.3	372.5	361.7	353.0	4253.7	4149.9
STAPLE+TOW+FIBERFILL														
NYLON	88.8	74.9	86.0	85.0	87.0	77.6	72.2	87.7	81.9	89.1	80.9	63.6	974.7	978.5
ACRYLIC+MODACRYLIC	40.4	39.7	43.2	39.7	43.0	43.8	38.6	45.5	42.1	40.1	39.5	45.0	500.6	537.4
POLYESTER	168.9	175.7	173.3	182.2	176.2	167.6	156.4	178.5	178.4	206.9	180.0	154.6	2098.7	2354.8
OLEFIN	30.3	34.4	35.3	35.1	36.0	37.1	31.5	36.9	34.7	34.8	33.5	31.0	410.6	377.4
TOTAL STAPLE	328.4	324.7	337.8	342.0	342.2	326.1	298.7	348.6	337.1	370.9	333.9	294.2	3984.6	4248.1
TOTAL SYNTHETIC (NONCELLULOSIC)	659.7	665.6	684.8	714.9	706.1	674.6	625.0	721.0	700.4	743.4	695.6	647.2	8238.3	8398.0
TOTAL MANUFACTURED FIBER	704.9	706.3	728.5	761.2	748.6	714.1	668.9	763.3	743.3	791.2	733.2	685.7	8749.2	8971.4
MANUFACTURED FIBER END-OF-MONTH STOCK														
ARTIFICIAL (CELLULOSIC)														
YARN	9.7	9.9	8.8	9.1	7.6	8.7	8.9	8.3	8.3	8.6	8.6	9.4	9.4	9.9
RAYON STAPLE	20.2	17.2	14.0	14.2	11.9	10.1	12.4	10.6	9.2	8.8	10.7	16.1	16.1	22.4
TOTAL ARTIFICIAL (CELLULOSIC)	29.9	27.1	22.8	23.3	19.5	18.8	21.3	18.9	17.5	17.4	19.3	25.5	25.5	32.3
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	36.8	33.7	33.4	36.0	30.1	35.7	42.2	36.9	34.6	30.4	25.1	24.4	24.4	31.1
- CARPET	60.5	61.2	62.6	63.2	65.4	78.2	82.3	70.2	71.7	75.8	83.5	57.8	57.8	63.8
- TEXTILE[f]	57.0	59.9	64.3	63.5	63.5	62.9	62.1	60.2	57.9	50.9	47.7	45.8	45.8	57.5
POLYESTER - INDUSTRIAL[d]	39.3	40.6	39.5	39.2	37.9	35.8	35.6	35.5	38.7	38.1	35.4	36.5	36.5	36.8
- TEXTILE[f]	94.5	104.9	109.9	106.4	99.7	100.8	100.2	91.5	86.5	90.1	89.7	83.3	83.3	108.9
OLEFIN[e]	68.1	66.6	65.4	63.3	63.2	61.2	59.5	58.6	58.6	57.1	57.1	56.4	56.4	66.1
TOTAL YARN	356.2	366.9	375.1	371.6	359.8	374.6	381.9	352.9	348.0	342.4	338.5	304.2	304.2	364.2
STAPLE+TOW+FIBERFILL														
NYLON	40.1	40.5	37.1	44.3	47.7	60.5	65.3	59.6	61.5	59.4	57.2	64.7	64.7	49.8
ACRYLIC+MODACRYLIC	69.5	70.9	72.8	75.3	78.9	83.2	87.0	86.3	86.0	81.2	80.2	71.7	71.7	66.5
POLYESTER	193.5	195.1	192.9	217.4	210.8	212.4	216.8	197.1	187.0	171.6	166.1	181.1	181.1	189.9
OLEFIN	34.6	33.4	31.5	29.8	28.5	28.6	29.8	29.6	28.3	28.3	28.3	29.5	29.5	34.6
TOTAL STAPLE	337.7	339.9	334.3	366.8	365.9	384.7	398.9	372.6	362.8	340.5	331.8	347.0	347.0	340.8
TOTAL SYNTHETIC (NONCELLULOSIC)	693.9	706.8	709.4	738.4	725.7	759.3	780.8	725.5	710.8	682.9	670.3	651.2	651.2	705.0
TOTAL MANUFACTURED FIBER	723.8	733.9	732.2	761.7	745.2	778.1	802.1	744.4	728.3	700.3	689.6	676.7	676.7	737.3
WOOL & COTTON CONSUMPTION[g]														
RAW COTTON	317.3	332.1	365.9	327.8	336.8	381.0	293.7	289.4	454.4	351.7	319.3	267.1	4036.5	3985.9
	1ST QUARTER			2ND QUARTER			3RD QUARTER			4TH QUARTER				
APPAREL CLASS WOOL	31.7			32.4			27.9			29.9			121.9	125.5
CARPET CLASS WOOL	3.8			2.9			3.8			3.0			13.5	14.1
TOTAL RAW WOOL	35.5			35.3			31.7			32.9			135.4	139.6

a. "Year to date" totals for stock, are the latest month's figures.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic shipments plus export shipments.
d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
f. Includes low denier industrial yarn.
g. **Wool data for 1990 available on a quarterly basis only.**

TABLE 17:
FILAMENT YARN DOMESTIC SHIPMENTS [a]

MILLION POUNDS

ITEM		ANNUAL DATA 1987	1988	1989	1990	QUARTERLY DATA 1989 1ST Q	2ND Q	3RD Q	4TH Q	1990 1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY [b]	N	93.2	100.3	j	j	j	j	j	j	j	j	j	j
OTHER CIRCULAR KNIT [c]	N	25.3	26.4	139.1	128.1	32.5	33.8	34.8	38.0	29.8	34.7	29.8	33.8
	P	102.8	119.5	132.4	129.8	40.4	33.5	31.1	27.4	28.0	31.6	34.0	36.2
	C	1.1	0.6	0.5	0.8	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2
FLAT KNIT	C	27.9	24.3	21.4	15.0	6.1	7.5	3.7	4.1	5.1	4.5	2.9	2.5
	N	131.4	133.4	125.2	103.7	36.0	34.4	29.8	25.0	23.3	26.2	27.7	26.5
	P	162.5	162.1	181.0	142.7	46.0	47.7	44.5	42.8	33.6	38.7	35.4	35.0
CARPET FACE	N	916.0	938.3	932.3	948.7	225.0	233.8	243.7	229.8	239.6	232.1	232.6	244.4
	O	244.5	266.6	249.9	360.4	69.0	63.3	60.2	57.4	84.7	89.5	95.5	90.7
CARPET BACKING [d]	O	425.3	427.0	463.4	447.5	105.4	123.4	120.6	114.0	116.7	117.3	111.3	102.2
OTHER BROAD WOVEN [e]	C	122.8	141.9	149.4	152.9	35.6	38.5	37.8	37.5	33.8	37.0	41.5	40.6
	N	79.4	78.3	88.8	95.5	21.1	22.6	21.9	23.2	24.9	24.1	24.1	22.4
	P	379.4	391.3	360.7	353.3	99.1	104.2	78.7	78.7	84.0	94.5	91.9	82.9
	O	317.7	337.3	337.5	415.0	88.8	84.3	83.6	80.8	91.1	111.8	109.2	102.9
NARROW WOVEN [f]	C	2.2	4.4	4.4	3.2	1.7	0.8	1.0	0.9	0.8	1.3	0.5	0.6
	N	42.1	42.0	36.9	35.7	9.5	10.2	8.4	8.8	8.2	8.8	9.3	9.4
	P	66.2	81.0	76.4	73.1	18.8	23.2	20.0	14.4	16.6	17.9	17.8	20.8
	O	17.7	19.0	19.8	17.3	4.8	4.7	5.2	5.1	3.9	4.4	4.7	4.3
TIRES, INCL. CHAFER [g]	N	143.0	132.2	135.7	128.2	34.3	33.6	32.6	35.2	31.0	32.8	32.4	32.0
	P	162.8	171.8	174.9	167.2	43.3	45.5	44.3	41.8	41.2	42.9	40.4	42.7
OTHER RUBBER INDUSTRY [c g]	N	16.4	20.4	18.1	19.1	4.5	4.4	5.0	4.2	5.0	4.6	4.3	5.2
	P	34.5	25.2	32.7	40.7	6.3	8.2	8.9	9.3	8.4	13.0	9.4	9.9
ROPE, CORDAGE & FISHLINE	N	37.9	36.4	34.2	39.2	8.8	9.2	7.9	8.3	9.5	9.3	9.9	10.5
	P	13.4	12.5	14.4	15.1	3.2	3.8	3.5	3.9	4.0	3.8	3.8	3.5
	O	106.7	120.3	125.6	120.8	33.5	30.4	24.9	36.8	28.6	30.6	25.2	36.4
ALL OTHER [h]	C	12.8	11.4	11.6	0.8	2.4	3.4	3.0	2.8	0.2	0.3	0.2	0.1
	N	69.6	64.7	65.0	39.3	16.2	17.7	16.8	14.3	11.2	10.6	7.7	9.8
	P	191.8	194.0	138.2	124.3	34.9	37.5	33.1	32.7	25.9	29.5	27.2	41.7
	O	23.6	29.6	29.8	43.9	6.5	9.4	7.1	6.8	10.8	11.8	10.6	10.7
TOTAL ABOVE	**C**	**166.8**	**182.6**	**187.3**	**172.7**	**46.0**	**50.3**	**45.6**	**45.4**	**40.1**	**43.3**	**45.3**	**44.0**
	N	**1554.3**	**1572.4**	**1575.3**	**1537.5**	**387.9**	**399.7**	**400.9**	**386.8**	**382.5**	**383.2**	**377.8**	**394.0**
	P	**1113.4**	**1157.4**	**1110.7**	**1046.2**	**292.0**	**303.6**	**264.1**	**251.0**	**241.7**	**271.9**	**259.9**	**272.7**
	O	**1135.5**	**1199.8**	**1226.0**	**1404.9**	**308.0**	**315.5**	**301.6**	**300.9**	**335.8**	**365.4**	**356.5**	**347.2**
TOTAL DOMESTIC		**3970.0**	**4112.2**	**4099.3**	**4161.3**	**1033.9**	**1069.1**	**1012.2**	**984.1**	**1000.1**	**1063.8**	**1039.5**	**1057.9**
ALSO DIVIDED AS													
APPAREL		*930.2*	*941.2*	*924.7*	*847.9*	*253.4*	*253.3*	*217.1*	*200.9*	*192.4*	*216.6*	*210.8*	*226.1*
HOME TEXTILES		*1838.4*	*1902.6*	*1927.2*	*2036.5*	*468.6*	*498.1*	*489.9*	*470.6*	*511.3*	*514.9*	*512.9*	*497.4*
INDUSTRIAL		*1201.4*	*1268.4*	*1247.4*	*1276.9*	*311.9*	*317.7*	*305.2*	*312.6*	*296.4*	*332.3*	*315.8*	*332.4*
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET) [i]													
NYLON		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYESTER		626.3	649.9	597.3	560.4	164.5	164.0	138.7	130.1	123.2	144.6	140.3	152.3
OLEFIN		26.6	24.4	26.0	28.7	6.9	4.5	8.0	6.6	7.4	8.0	6.9	6.4

(C) ARTIFICIAL (CELLULOSIC) YARN (N) NYLON (P) POLYESTER (O) OLEFIN

NA No longer available.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.
b. Small quantities of polyester and artificial (cellulosic) yarn are included in All Other.
c. Small quantities of olefin are included in All Other.
d. Small quantities of nylon and polyester are included in All Other.
e. Other Broad Woven except carpets, tire fabric, flat belting, etc.
f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.
g. Artificial (cellulosic) yarn quantities included in All Other.
h. All Other includes sewing thread and other industrial applications. The olefin quantities include sliver knit backing. Also includes indirect exports.
i. These quantities are included in the Total Domestic area above.
j. Nylon quantities are included in Other Circular Knit.

TABLE 18:
STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

ITEM		ANNUAL DATA 1987	1988	1989	1990	QUARTERLY DATA 1989 1ST Q	2ND Q	3RD Q	4TH Q	1990 1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	192.4	183.2	174.5	139.7	48.4	47.3	41.5	37.3	41.0	32.0	32.2	34.5
	NPR	3.5	2.7	2.1	2.4	0.6	0.4	0.5	0.6	0.6	0.5	0.6	0.7
PILE FABRICS[b]	A	20.8	21.3	20.0	15.2	5.1	6.0	5.0	3.9	4.2	4.4	3.5	3.1
	P	19.7	14.7	15.3	12.4	3.7	4.0	4.1	3.5	3.5	3.5	2.8	2.6
OTHER CIRCULAR KNIT + FLAT KNIT[c]	R	3.7	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	A	185.1	139.0	132.4	109.0	35.7	34.9	36.4	25.4	32.5	33.8	26.0	16.7
	P	453.3	470.0	519.5	485.3	127.8	131.4	132.0	128.3	123.4	129.1	117.8	115.0
BLANKETS[b]	A	25.7	25.1	29.8	i	7.4	9.3	8.0	5.1	i	i	i	i
	P	9.2	6.9	9.2	3.3	2.3	2.9	2.4	1.6	1.4	0.6	0.5	0.8
OTHER BROAD WOVEN	R	230.7	243.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N	38.7	35.2	32.7	26.9	8.1	7.8	8.7	8.1	6.2	8.6	7.0	5.1
	A	41.7	39.3	40.5	50.7	12.6	11.5	7.9	8.5	13.4	13.7	11.6	12.0
	P	839.2	863.5	821.8	687.4	200.8	226.4	197.6	197.0	165.7	172.8	172.0	176.9
	O	20.2	17.1	21.6	18.3	5.2	5.3	5.2	5.9	5.2	4.4	4.9	3.8
CARPET FACE YARNS[f]	R	+	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N	905.1	887.7	894.9	896.8	226.3	217.3	230.3	221.0	230.2	227.9	223.4	215.3
	P	209.0	261.2	211.6	166.5	60.1	51.3	48.6	51.6	48.0	40.1	40.4	38.0
	O	116.2	138.2	137.7	127.4	38.5	35.1	32.9	31.2	34.2	33.7	31.4	28.1
FIBERFILL[d]	P	348.6	357.2	349.5	376.3	90.4	93.6	79.2	86.3	90.6	91.4	93.4	100.9
FLOCK	NP	5.5	6.9	7.5	9.6	1.8	1.7	1.7	2.3	1.9	2.6	2.2	2.9
	R	0.9	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NONWOVENS[e]	R	124.4	122.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N	1.9	2.1	2.4	2.9	0.7	0.6	0.6	0.5	0.6	0.7	0.9	0.7
	P	204.2	244.1	271.5	239.9	68.0	71.7	65.8	66.0	54.4	60.0	59.8	65.7
	[g] VINYON+O	198.0	180.9	194.8	232.5	46.1	50.4	50.7	47.6	52.2	61.8	57.6	60.9
ALL OTHER	R	22.7	17.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N	14.8	13.7	17.8	13.9	5.3	3.8	4.3	4.4	3.9	3.2	2.1	4.7
	A	13.6	13.2	17.4	37.6	3.7	3.4	4.0	6.3	7.7	10.1	10.7	9.1
	P	115.0	91.3	61.0	42.0	21.5	12.9	13.0	13.6	14.8	12.9	7.1	7.2
	[g] VINYON+O	6.7	8.0	9.3	9.7	1.8	2.7	2.6	2.2	2.4	2.1	2.9	2.3
TOTAL ABOVE	**R**	**383.1**	**386.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	N	**966.0**	**944.9**	**955.3**	**950.2**	**242.0**	**231.2**	**245.8**	**236.3**	**242.6**	**243.1**	**235.7**	**228.8**
	A	**479.3**	**421.1**	**414.8**	**352.2**	**112.9**	**112.4**	**102.8**	**86.7**	**98.8**	**94.0**	**84.0**	**75.4**
	P	**2201.0**	**2311.8**	**2261.3**	**2015.4**	**575.4**	**594.6**	**543.0**	**548.3**	**502.6**	**510.8**	**494.3**	**507.7**
	[g] VINYON+O	**341.1**	**344.2**	**363.4**	**387.9**	**91.6**	**93.5**	**91.4**	**86.9**	**94.0**	**102.0**	**96.8**	**95.1**
TOTAL DOMESTIC		**4370.5**	**4408.0**	**3994.8**	**3705.7**	**1021.9**	**1031.7**	**983.0**	**958.2**	**938.0**	**949.9**	**910.8**	**907.0**
ALSO DIVIDED AS													
APPAREL		*1479.9*	*1421.6*	*1266.8*	*1061.6*	*323.3*	*347.1*	*313.4*	*283.0*	*278.8*	*274.0*	*259.0*	*249.8*
HOME TEXTILES		*1755.8*	*1827.5*	*1695.7*	*1597.4*	*439.0*	*418.4*	*421.2*	*417.1*	*414.0*	*405.2*	*392.8*	*385.4*
INDUSTRIAL		*1134.8*	*1158.9*	*1032.3*	*1046.7*	*259.6*	*266.2*	*248.4*	*258.1*	*245.2*	*270.7*	*259.0*	*271.8*

(R) RAYON [h] (N) NYLON (A) ACRYLIC+MODACRYLIC (P) POLYESTER (O) OLEFIN

NA No longer available.

a. Olefin quantities are included in All Other.
b. Rayon and nylon quantities are included in All Other.
c. Nylon quantities are included in All Other.
d. Rayon, acrylic and nylon quantities are included in All Other.
e. Wet & dry laid and needled batts only
f. Acrylic and nylon quantities are included in All Other.
g. 1987-1990 data exclude Vinyon.
h. Rayon staple+tow data no longer available in 1989-1990.
i. Acrylic quantities are included in All Other.

TABLE 19:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1991 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1991	1990
	MANUFACTURED FIBER TOTAL SHIPMENTS[b,c]													
ARTIFICIAL (CELLULOSIC)														
YARN	14.8	16.4											31.2	30.5
RAYON STAPLE	20.4	16.2											36.6	55.4
TOTAL ARTIFICIAL (CELLULOSIC)	35.2	32.6											67.8	85.9
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	29.2	28.1											57.3	55.2
- CARPET	69.4	54.5											123.9	167.6
- TEXTILE	34.4	30.2											64.6	57.1
POLYESTER - INDUSTRIAL[d]	24.9	26.9											51.8	55.8
- TEXTILE[f]	67.9	61.5											129.4	112.8
OLEFIN[e]	109.2	110.1											219.3	223.7
TOTAL YARN	335.0	311.3											646.3	672.2
STAPLE+TOW+FIBERFILL														
NYLON	66.8	54.7											121.5	163.7
ACRYLIC+MODACRYLIC	36.5	34.8											71.3	80.1
POLYESTER	168.7	159.6											328.3	344.6
OLEFIN	38.3	34.5											72.8	64.7
TOTAL STAPLE	310.3	283.6											593.9	653.1
TOTAL SYNTHETIC (NONCELLULOSIC)	645.3	594.9											1240.2	1325.3
TOTAL MANUFACTURED FIBER	680.5	627.5											1308.0	1411.2
	MANUFACTURED FIBER END-OF-MONTH STOCK													
ARTIFICIAL (CELLULOSIC)														
YARN	10.2	9.6											9.6	9.9
RAYON STAPLE	22.4	27.3											27.3	17.2
TOTAL ARTIFICIAL (CELLULOSIC)	32.6	36.9											36.9	27.1
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	25.0	23.9											23.9	33.7
- CARPET	72.0	80.6											80.6	61.2
- TEXTILE[f]	46.2	46.2											46.2	59.9
POLYESTER - INDUSTRIAL[d]	40.1	43.1											43.1	40.6
- TEXTILE[f]	86.4	93.4											93.4	104.9
OLEFIN[e]	61.5	59.8											59.8	66.6
TOTAL YARN	331.2	347.0											347.0	366.9
STAPLE+TOW+FIBERFILL														
NYLON	71.0	81.6											81.6	40.5
ACRYLIC+MODACRYLIC	73.4	72.4											72.4	70.9
POLYESTER	192.7	189.5											189.5	195.1
OLEFIN	29.8	30.0											30.0	33.4
TOTAL STAPLE	366.9	373.5											373.5	339.9
TOTAL SYNTHETIC (NONCELLULOSIC)	698.1	720.5											720.5	706.8
TOTAL MANUFACTURED FIBER	730.7	757.4											757.4	733.9

	COTTON & WOOL CONSUMPTION[g] 1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER
RAW COTTON				
APPAREL CLASS WOOL				
CARPET CLASS WOOL				
TOTAL RAW WOOL				

a. "Year to date" totals for stock, are the latest month's figures.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic shipments plus export shipments.
d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
f. Includes low denier industrial yarn.
g. **Cotton and Wool data for 1991 available on a quarterly basis only.**